AUTODOC CLUB

# How to change rear shock absorbers on **AUDI TT Coupe (8N3)** – replacement guide

## SIMILAR VIDEO TUTORIAL




This video shows the replacement procedure of a similar car part on another vehicle

**Important!**

This replacement procedure can be used for:
AUDI TT Coupe (8N3) 1.8 T

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The steps may slightly vary depending on the car design.

This tutorial was created based on the replacement procedure for a similar car part on: AUDI A3 Hatchback (8L1) 1.8

# REPLACEMENT: SHOCK ABSORBERS – AUDI TT COUPE (8N3). TOOLS YOU NEED:




- Wire brush
- WD-40 spray
- Copper grease
- Drive socket # 16
- Combination spanner #16
- Torque wrench
- Adjustable wrench
- Wheel impact socket #17
- Hydraulic transmission jack
- Wheel chock

**Buy tools**

Replacement: shock absorbers – AUDI TT Coupe (8N3). Tip from AUTODOC experts:

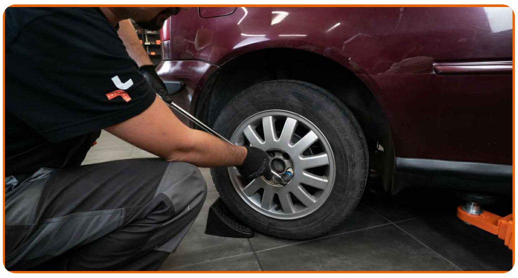
- Both shock absorbers of the rear suspension should be replaced simultaneously.
- The replacement procedure is identical for the left and right shock absorbers of the rear suspension.
- All work should be done with the engine stopped.

## CARRY OUT REPLACEMENT IN THE FOLLOWING ORDER:

**1** Secure the wheels with chocks.



**2** Loosen the wheel mounting bolts. Use wheel impact socket #17.



**3** Raise the rear of the car and secure on supports.

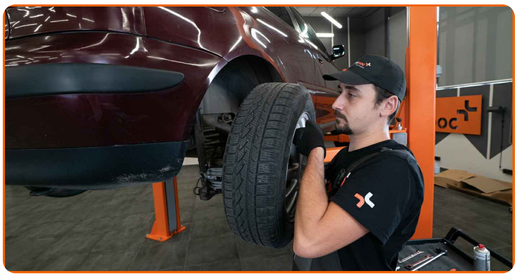
**4** Unscrew the wheel bolts.



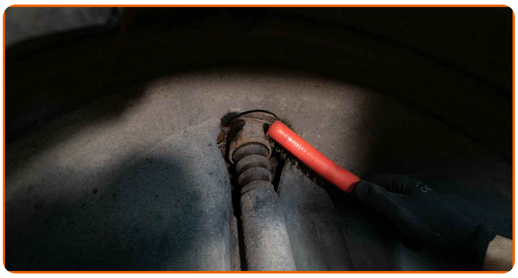

## AUTODOC recommends:

- Warning! To avoid injury, hold the wheel while unscrewing the fastening bolts. AUDI TT Coupe (8N3)

**5** Remove the wheel.



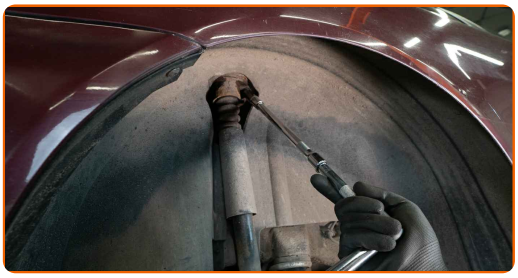
**6** Clean the shock absorber fasteners. Use a wire brush. Use WD-40 spray.



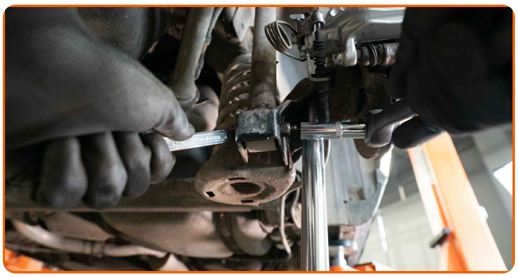
**7** Support the arm. Use a hydraulic transmission jack.



**8** Unscrew the upper fastener of the shock absorber. Use a drive socket #16.



**9** Unscrew the lower fastener of the shock absorber. Use a combination spanner #16. Use a drive socket #16.



### Replacement: shock absorbers – AUDI TT Coupe (8N3). Tip:

- To avoid injuries, hold the shock absorber when undoing the fastening bolts.

**10** Remove the support from under the rear arm.

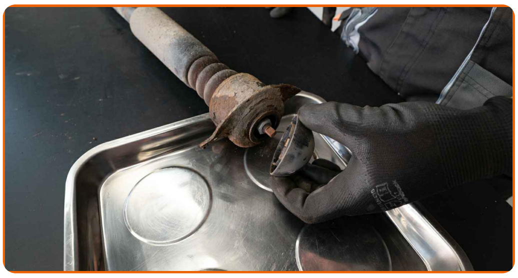


**11** Remove the shock absorber.



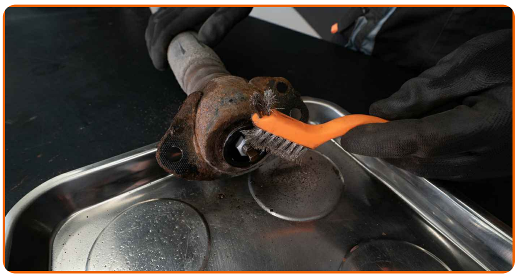
12

Remove the protective cap of the shock absorber mount.



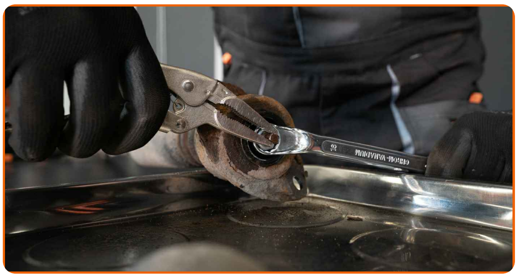
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Clean the shock absorber rod fastener. Use a wire brush. Use WD-40 spray.



14

Remove the shock absorber piston rod fastening. Use a combination spanner #16. Use an adjustable wrench.



15

Remove the shock absorber mount, boot and bump stop.



## Replacement: shock absorbers – AUDI TT Coupe (8N3). AUTODOC experts recommend:

- Thoroughly examine the shock absorber mount, dust boot, bump stop. Replace them if necessary.
- Before installing a new shock absorber you should pump it manually 3-5 times.

**16** Install the boot and a bump stop onto the shock absorber.



**17** Install the top mount on the new shock absorber and secure it. Use a combination spanner #16. Use an adjustable wrench. Use a torque wrench. Tighten it to 25 Nm torque.



**18** Place the shock absorber in the wheel arch and fasten it.



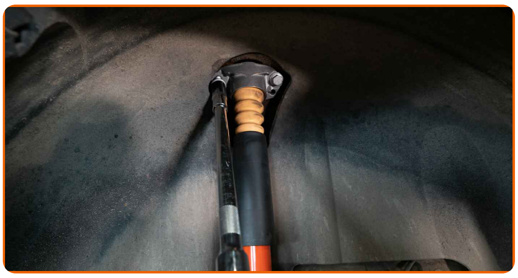
19

Install the shock absorber mount using the center hole as a guide.



20

Tighten the top shock absorber fastening. Important! Be sure to use new fasteners. Use a drive socket #16. Use a torque wrench. Tighten it to 30 Nm torque.+90°



21

Support the arm. Use a hydraulic transmission jack.



22

Tighten the lower fastener of the shock absorber. Important! Be sure to use new fasteners. Use a combination spanner #16. Use a drive socket #16. Use a torque wrench. Tighten it to 40 Nm torque.+90°



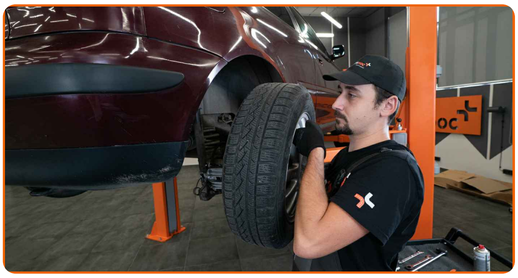
**23** Remove the support from under the rear arm.



**24** Clean the wheel rim mounting seat. Use a wire brush. Treat the contacting surface. Use copper grease.




**25** Install the wheel.



Replacement: shock absorbers – AUDI TT Coupe (8N3). AUTODOC recommends:

- To avoid injury, hold up the wheel when screwing in the fastening bolts.

**26** Screw in the wheel bolts. Use wheel impact socket #17.



**27** Lower the car and working in a cross order, tighten the wheel bolts. Use a torque wrench. Tighten it to 120 Nm torque.



**28** Remove the jacks and chocks.

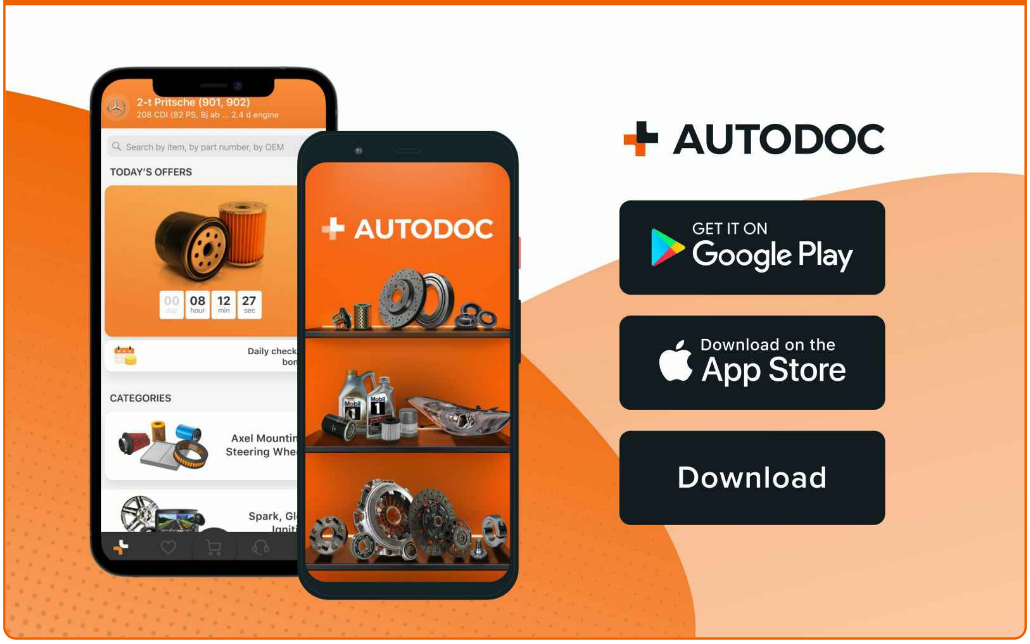


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